

Substitute Specification

CLAIMS

I claim:

1. (Currently amended) An assembled shelf comprising:

a main frame being comprised of two vertical side racks and several sets of shelves, each shelf being placed between said two vertical side racks, each vertical side rack being comprised of a vertical bar and horizontal bar,

wherein said vertical bar of said vertical side rack is comprised of a main bar and a secondary bar, said secondary bar being placed inside and outside of said main bar, said main bar being spaced between said secondary bar, space therebetween being positioned and formed by said horizontal bar;

wherein sides of each shelf corresponding to the vertical side rack have a frame and a vertical groove, placed between two ends of said frame, a position of the groove being connected to an inner second bar of said vertical side rack, a surface of said frame being pushed against a side of said main bar, each shelf and two vertical side racks being positioned, an outer secondary bar providing an extendable vertical side rack for each shelf.

2. (Currently amended) The assembled shelf defined in Claim 1, wherein a vertical section of the frame on both sides of each shelf has a \subset shape.

3. (Currently amended) The assembled shelf defined in Claim 2, further comprising:

a reinforced stand being positioned in place and having a long board with a predetermined width, a top end of a short end thereof extending as a horizontal surface, said reinforced stand extending a bent section on both ends along a long end thereof, said reinforced stand standing from the short end thereof;

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wherein the \subset shaped frame on both sides of each shelf is open on a shelf plank, forming a frame space between a bottom of said shelf plank to a bottom of said frame, said reinforced stand having a bent section insertable into said frame space, said reinforced stand placed between said frame on both sides, a top horizontal support at a top side of said reinforced stand supporting a bottom of said layer board, forming a reinforced structure, said shelf plank handling increased weight.

4. (Currently amended) The assembled shelf defined in Claim 1, wherein said main bar of said vertical side racks and said secondary bar is a circular bar, a horizontal section of the groove of the frame being semi-circular.

5. (Currently amended) The assembled shelf defined in Claim 1, wherein said frame on two sides of each shelf has a corresponding bent slab, a top and bottom of the bent slab being a horizontal slab, the bent slab being like a step by having a vertical slab connected between the top and bottom thereof, a top of said frame on two sides of each shelf forming a bent edge, said horizontal slab being connected to a bottom of said bent edge forming a \subset insert groove at bottom edge of said bent edge, a bottom end of said bent slab sticking from an end of said bent edge, an insert groove being placed on corresponding sides of said shelf plank.

6. (Currently amended) An assembled shelf comprising:

a main frame being comprised of two vertical side racks and several sets of shelves, each shelf being placed between said two vertical side racks, each vertical side rack being comprised of a vertical bar and horizontal bar and forming a fixed frame connected by welding, said horizontal bar being placed on a pre-determined height of each shelf; wherein said vertical bar is comprised of

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a main bar and a secondary bar, the main and secondary bar being placed in parallel and spaced in between, the space being formed by said horizontal bar;

wherein sides of each shelf corresponding to the vertical side rack have a frame and a vertical groove placed between two ends of said frame, a position of the groove being connected with the main and secondary bar, each shelf and two vertical side racks being positioned, the main and secondary bars providing an extendable vertical side rack for each shelf.

7. (Currently amended) The assembled shelf defined in Claim 6, wherein a vertical section of the frame placed on two sides of each shelf is a \subset shape.

8. (Currently amended) The assembled shelf defined in Claim 7, further comprising:

a reinforced stand being positioned in place and having a long board with a predetermined width, a top end of a short end thereof extending as a horizontal surface, said reinforced stand extending a bent section on both ends along a long end of said long board, said reinforced stand standing from said short end;

wherein the \subset shaped frame on both sides of each shelf is open on a shelf plank, forming a frame space between a bottom of said shelf plank to a bottom of said frame, said reinforced stand having a bent section insertable into said frame space, said reinforced stand placed between said frame on both sides, a top horizontal support at a top side of said reinforced stand supporting a bottom of said layer board, forming a reinforced structure, said shelf plank handling increased weight.

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9. (Currently amended) The assembled shelf defined in Claim 6, wherein said main bar of said vertical side racks and said secondary bar is a circular bar, a horizontal section of the groove of the frame being semi-circular.

10. (Currently amended) The assembled shelf defined in Claim 6, wherein said frame on two sides of each shelf has a corresponding bent slab, a top and bottom of the bent slab being a horizontal slab, the bent slab being like a step by having a vertical slab connected between the top and bottom thereof, a top of said frame on two sides of each shelf forming a bent edge, said horizontal slab being connected to a bottom of said bent edge forming a \subset insert groove at bottom edge of said bent edge, a bottom end of said bent slab sticking from an end of said bent edge, an insert groove being placed on corresponding sides of said shelf plank.